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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY POCKETNIC	OOMETINA A TRANSPORTED	
AFFLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/667,126	09/19/2003	Richard C. Conrad	AMBI:086US 7162  EXAMINER		
62619	7590 09/28/2006				
FULBRIGHT & JAWORSKI, L.L.P.			KIM, TAEYOON		
600 CONGRE	ESS AVENUE				
SUITE 2400			ART UNIT	PAPER NUMBER	
AUSTIN, TX	AUSTIN, TX 78701			1651	
			DATE MAILED: 09/28/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Assists Comments	10/667,126	CONRAD, RICHARD C.				
Office Action Summary	Examiner	Art Unit				
	Taeyoon Kim	1651				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
	-· action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-53</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.	<u> </u>					
8) Claim(s) 1-53 are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachmont(a)						
Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal Pa	atent Application				
Paper No(s)/Mail Date 6)  Other:						

**DETAILED ACTION** 

Claims 1-53 are pending.

## Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-41, drawn to a method for isolating small RNA molecules, classified in class 536, subclass 25.4.
- II. Claims 42-45, drawn to a method for isolating miRNA or siRNA, classified in class 536, subclass 25.4.
- III. Claims 46 and 47, drawn to a method for isolating miRNA, classified in class 536, subclass 25.4.
- IV. Claim 48, drawn to a method for isolating small RNA, classified in class 536, subclass 25.4.
- V. Claim 49, drawn to a kit for isolating small RNA, classified in class 536, subclass 25.4.
- VI. Claims 50-53, drawn to a method for isolating small RNA, classified in class 536, subclass 25.4.

The inventions are distinct, each from the other because of the following reasons:

The inventions of Groups I and II/III/IV/VI; Groups II and III/IV/VI; Groups III and IV/VI; Groups IV and VI are distinct. Inventions are distinct if the inventions as claimed are not connected in at least one of design, operation, or effect (e.g., can be made by,

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or used in a materially different process) and wherein at least one invention is PATENTABLE (novel and nonobvious) OVER THE OTHER (though they may each be unpatentable over the prior art) (MPEP § 802.01).

For example, the method of Group II invention dose not have a step for lysis or use; the method of Group III invention does not have a step for lysis of cells; the methods of Group I and Group IV invention have different concentration of guanidinium and alcohol in the steps. Therefore, the methods are distinct from one another because they recite different and distinct steps which lead to different and distinct products.

The inventions of Groups V and I/II/III/IV/VI are directed to different inventions which are not connected in design, operation, and/or effect. These inventions are independent since they are not disclosed as capable of use together, they have different modes of operation, they have different functions, and/or they have different effects.

They have acquired a separate status in the art as a separate subject for inventive effect and require independent searches. The search for each of the above inventions is not co-extensive particularly with regard to the literature search. Further, a reference which would anticipate the invention of one group would not necessarily anticipate or even make obvious another group.

An undue burden would ensue from the examination of multiple methods which have distinct steps and end points. Burden lies not only in the search of US Patents, but

in the search for literature and foreign patents and examination of the claim language and specification for compliance with the statutes concerning new matter and distinctness.

Because these inventions are distinct for the reasons given above and the search required for one group is not required for the other groups, restriction for examination purposes as indicated is proper.

This application contains claims directed to the following patentably distinct species:

- A. Type of small RNA: miRNA, siRNA, snRNA, snoRNA, tRNA (claim 2)
- B. Type of collecting beads: centrifugation, filtration, magnetic capture (claim 32)

If Group I is elected, a further election of species must be made from Groups A and B.

The species are independent or distinct because they do not belong to any artrecognized group nor do they share a substantial structural feature.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and *a listing of all claims* readable thereon, including any claims subsequently added. An argument that a claim

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is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taeyoon Kim whose telephone number is 571-272-9041. The examiner can normally be reached on 8:00 am - 4:30 pm ET (Mon-Fri).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Wityshyn can be reached on 571-272-0926. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Taeyoon Kim Patent Examiner Art Unit 1651 Leon B Lankford, Jr Rrimary Examiner

rt/Unit 1651